

ABSTRACT

Methods and apparatus are provided for real-time projection and rendering of one or more geospatially organized navigation databases. A system stores, processes, and displays a navigation database (including, e.g., terrain, navigation aids, obstructions, political boundaries, and the like) and avionics data to accomplish real-time display while maintaining correct projections of the data from latitude and longitude coordinates to Cartesian (nautical-mile) coordinates. Flight-plans may be graphically modified via an intuitive user interface.